

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: METALUX

Report Number: P1500537

Luminaire Tested: 3CSSV-S3C59-MB-MED-2700K

Issue Date: 7/20/2026

Test Information

Test Method: LM-79-2019
Report Number: P1500537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2605-767-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 3CSSV-S3C59-MB-MED-2700K
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Matte Blk 2400 Lumen 2700K

Light Source:
Ballast/Driver: -

Summary

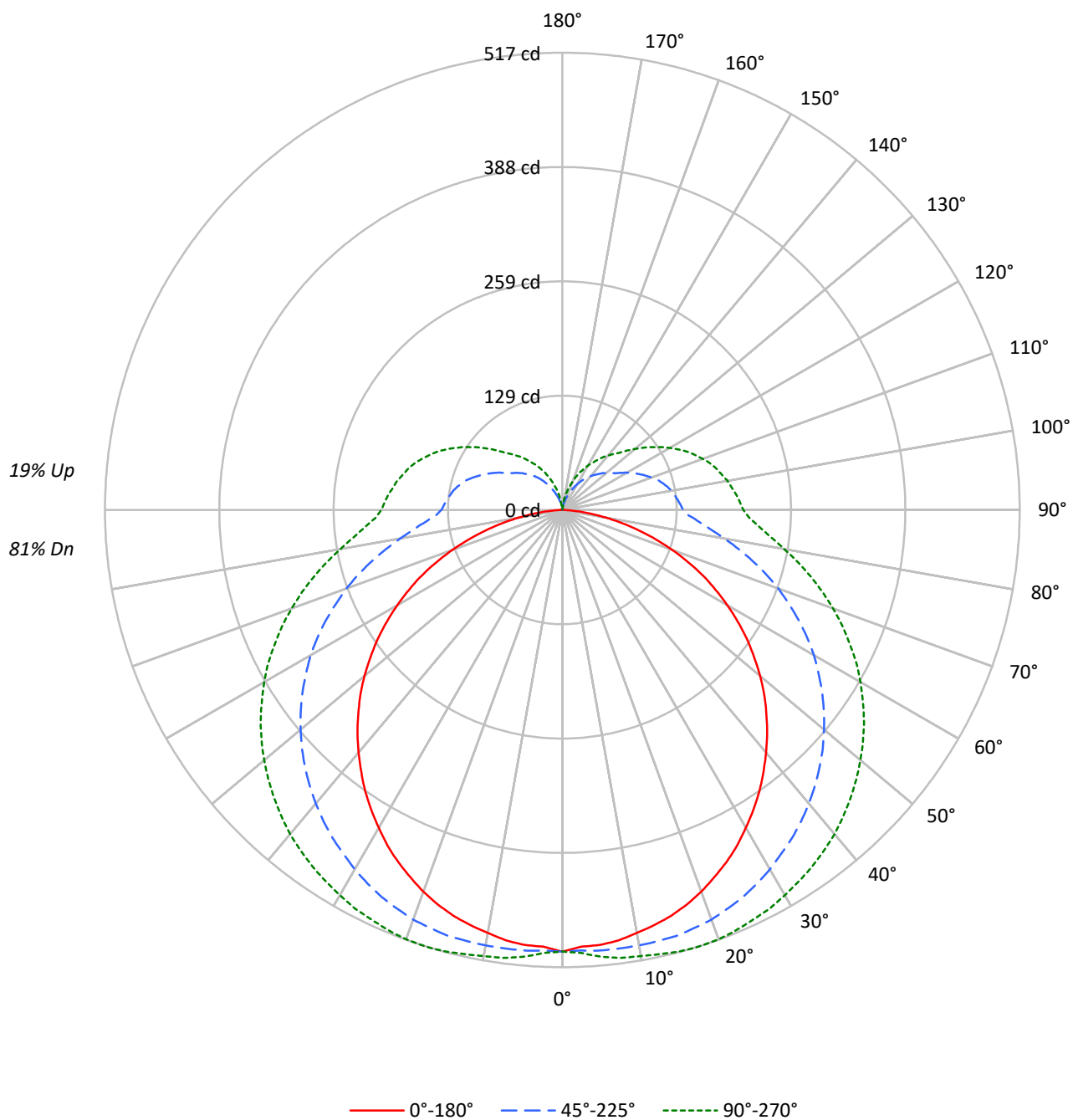
Lumens per Lamp: N/A
Luminaire Lumens: 2441.2 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')
CIE Type: Semi-Direct

Input Watts (W): 25.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: >0.9
Total Harmonic Distortion (THDi): <20
Frequency (hertz): 60
Stabilization Time: HR
Operation Time: HR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	114	114	114	114	110	110	110	110	100	100	100		92	92	92		84
1	102	96	91	86	97	92	87	83	84	80	77		77	74	71		70
2	91	82	74	68	87	79	72	66	72	66	61		66	61	57		60
3	83	71	62	55	78	68	60	53	62	56	50		57	51	47		52
4	75	62	53	46	71	60	51	45	55	48	42		50	44	39		46
5	69	55	46	39	65	53	44	38	49	41	36		45	38	34		41
6	63	50	40	34	60	48	39	33	44	36	31		40	34	29		37
7	59	45	36	29	56	43	34	28	40	32	27		36	30	25		34
8	54	41	32	26	52	39	31	25	36	29	24		33	27	23		31
9	51	37	29	23	48	36	28	22	33	26	21		31	25	20		28
10	47	34	26	21	45	33	25	20	30	24	19		28	22	18		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14158	14158	14158
5°	13995	13368	13276
10°	13876	12738	12537
15°	13780	12219	11958
20°	13639	11722	11427
25°	13462	11238	10899
30°	13244	10772	10439
35°	13038	10331	10021
40°	12789	9907	9633
45°	12524	9487	9237
50°	12228	9063	8854
55°	11839	8623	8476
60°	11336	8169	8079
65°	10737	7652	7647
70°	9773	7108	7201
75°	8399	6489	6723
80°	6532	5854	6234
85°	3558	5348	5860

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12524 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	2.0
10°-20°	140.9	5.8
20°-30°	221.7	9.1
30°-40°	280.7	11.5
40°-50°	312.2	12.8
50°-60°	312.2	12.8
60°-70°	280.4	11.5
70°-80°	221.4	9.1
80°-90°	156.2	6.4
90°-100°	128.2	5.3
100°-110°	110.8	4.5
110°-120°	86.9	3.6
120°-130°	61.6	2.5
130°-140°	40.6	1.7
140°-150°	24.5	1.0
150°-160°	11.6	0.5
160°-170°	3.3	0.1
170°-180°	0.3	0.0
0°-30°	410.4	16.8
0°-40°	691.1	28.3
0°-60°	1315.5	53.9
0°-90°	1973.4	80.8
90°-120°	325.9	13.4
90°-150°	452.6	18.5
90°-180°	468.0	19.2
0°-180°	2441.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	499	499	499	499	499	
5°	494	504	500	501	507	47
15°	475	491	499	509	516	134
25°	439	464	483	500	511	202
35°	388	421	453	479	492	243
45°	326	368	411	445	461	252
55°	255	304	358	398	416	227
65°	175	231	295	340	358	173
75°	89	153	222	272	290	95
85°	16	82	155	206	224	21
90°	1	64	137	187	205	1
95°	0	61	131	180	197	0
105°	1	49	117	164	180	0
115°	1	37	96	140	156	1
125°	1	29	72	109	124	1
135°	1	23	57	82	92	1
145°	1	16	42	62	69	0
155°	1	9	25	40	46	1
165°	1	4	10	16	23	0
175°	1	1	2	2	1	0
180°	1	1	1	1	1	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	499.3	499.3	499.3	499.3	499.3
2.5°	494.3	504.3	498.6	499.3	501.5
5°	493.6	504.3	500.0	500.7	507.2
7.5°	490.7	502.2	500.0	503.6	510.8
10°	485.7	500.0	500.0	505.8	512.2
12.5°	480.7	495.7	499.3	506.5	514.3
15°	475.0	491.4	498.6	508.6	516.5
17.5°	467.8	486.4	495.7	507.9	517.2
20°	459.3	479.3	492.9	505.8	516.5
22.5°	449.2	472.1	487.9	503.6	514.3
25°	439.2	463.6	482.9	500.0	510.8
27.5°	427.8	454.3	476.4	495.7	507.9
30°	414.9	443.5	469.3	490.7	502.9
32.5°	402.0	432.8	460.7	485.0	497.9
35°	388.4	420.6	452.8	478.6	492.2
37.5°	373.4	408.5	443.5	471.4	485.7
40°	358.4	395.6	433.5	463.6	478.6
42.5°	342.7	381.3	422.8	454.3	470.0
45°	326.2	367.7	411.3	445.0	460.7
47.5°	309.7	352.7	399.2	434.2	450.7
50°	291.9	336.9	386.3	422.8	439.9
52.5°	273.3	321.2	372.7	411.3	428.5
55°	254.7	304.0	358.4	398.5	416.3
57.5°	235.4	286.1	343.4	384.9	402.7
60°	215.3	268.3	328.3	370.6	389.2
62.5°	195.3	250.4	311.9	355.5	374.8
65°	175.3	231.1	294.7	340.5	358.4
67.5°	153.8	212.5	276.8	324.1	342.7
70°	132.3	192.4	259.7	306.9	325.5
72.5°	110.9	172.4	241.1	289.7	308.3
75°	89.4	153.1	222.5	271.8	290.4
77.5°	70.1	133.8	203.9	254.0	272.6
80°	50.1	115.2	186.0	236.8	254.7
82.5°	31.5	97.3	169.5	220.3	238.2
85°	16.5	82.3	155.2	206.0	223.9
87.5°	5.0	70.8	143.1	193.9	211.7
90°	0.7	64.4	136.6	186.7	204.6
92.5°	0.0	62.2	133.8	183.1	201.0
95°	0.0	60.8	130.9	180.3	197.4
97.5°	0.0	58.7	128.0	176.7	193.1
100°	0.0	55.8	125.2	172.4	189.6
102.5°	0.0	52.2	121.6	168.1	184.6
105°	0.7	48.6	117.3	163.8	180.3
107.5°	0.7	44.4	113.0	158.8	175.3
110°	0.7	40.8	107.3	152.4	168.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	38.6	101.6	145.9	162.4
115°	0.7	37.2	95.9	139.5	155.9
117.5°	0.7	35.1	90.1	132.3	148.1
120°	0.7	32.9	84.4	124.5	140.2
122.5°	0.7	30.0	78.0	117.3	132.3
125°	0.7	28.6	72.3	109.4	123.8
127.5°	0.7	27.2	68.7	101.6	115.9
130°	0.7	25.8	65.1	93.7	107.3
132.5°	0.7	24.3	61.5	86.6	99.4
135°	0.7	22.9	57.2	81.6	91.6
137.5°	0.7	21.5	53.7	76.5	85.8
140°	0.7	20.0	50.1	71.5	80.1
142.5°	0.7	18.6	46.5	66.5	75.1
145°	0.7	16.5	42.2	61.5	68.7
147.5°	0.7	14.3	37.9	56.5	63.0
150°	0.7	12.9	33.6	51.5	57.9
152.5°	1.4	11.4	29.3	46.5	52.2
155°	1.4	9.3	25.0	40.1	46.5
157.5°	1.4	7.9	20.7	33.6	40.8
160°	1.4	6.4	17.2	27.2	34.3
162.5°	1.4	5.0	13.6	21.5	28.6
165°	1.4	4.3	10.0	16.5	22.9
167.5°	1.4	3.6	7.9	11.4	17.9
170°	1.4	2.9	5.7	7.9	12.2
172.5°	1.4	2.1	3.6	5.0	3.6
175°	1.4	1.4	2.1	2.1	1.4
177.5°	1.4	1.4	1.4	0.7	0.7
180°	0.7	0.7	0.7	0.7	0.7

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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room Dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	16.2	17.6	16.9	18.2	19.0	20.3	21.6	20.9	22.3	23.0
	3H	17.6	18.8	18.3	19.5	20.3	23.0	24.3	23.7	24.9	25.7
	4H	18.0	19.2	18.7	19.9	20.7	24.4	25.6	25.0	26.2	27.0
	6H	18.2	19.3	18.9	20.0	20.8	25.8	26.9	26.5	27.6	28.4
	8H	18.3	19.3	18.9	20.0	20.8	26.5	27.6	27.2	28.3	29.1
	12H	18.3	19.3	19.0	20.0	20.8	27.3	28.3	28.0	29.0	29.9
4H	2H	17.5	18.7	18.2	19.3	20.1	20.6	21.7	21.2	22.4	23.2
	3H	19.1	20.1	19.8	20.8	21.7	23.5	24.5	24.2	25.2	26.1
	4H	19.7	20.6	20.4	21.3	22.2	25.0	26.0	25.7	26.7	27.5
	6H	20.0	20.9	20.7	21.6	22.4	26.6	27.4	27.3	28.2	29.0
	8H	20.1	20.9	20.8	21.6	22.5	27.4	28.2	28.1	28.9	29.8
	12H	20.1	20.8	20.9	21.6	22.5	28.3	29.0	29.1	29.8	30.7
8H	4H	20.6	21.4	21.3	22.1	23.0	25.2	25.9	25.9	26.7	27.5
	6H	21.2	21.9	21.9	22.6	23.5	26.9	27.5	27.6	28.3	29.2
	8H	21.4	22.0	22.1	22.7	23.6	27.8	28.4	28.6	29.2	30.1
	12H	21.5	22.0	22.2	22.8	23.7	28.9	29.4	29.6	30.2	31.1
12H	4H	20.9	21.6	21.6	22.4	23.2	25.2	25.9	25.9	26.6	27.5
	6H	21.6	22.2	22.4	23.0	23.9	26.9	27.5	27.7	28.2	29.2
	8H	21.9	22.4	22.6	23.2	24.1	27.9	28.4	28.6	29.2	30.1

(END OF REPORT)